



Sports Cardiology & Sudden Cardiac Arrest in the Young

CAUSES | RARE CONSEQUENCES | DIAGNOSE & MANAGE

Program Director

Anjan S. Batra, MD, FHRS

*Medical Director of Electrophysiology, CHOC Children's
Associate Professor, Clinical Pediatrics, UCI School of Medicine*

Keynote Speaker

Michael J. Ackerman, MD, PhD

*Professor of Medicine, Pediatrics, and Pharmacology at the Mayo Clinic College of Medicine
Director of the Long QT Syndrome/Inherited Arrhythmia Clinic and the Sudden Death Genomics Laboratory at the Mayo Clinic*

Dates: Friday - Saturday, January 20-21, 2017

Location: Disney's Grand Californian Hotel
1600 South Disneyland Drive | Sequoia Ballroom
Anaheim, CA 92808

In affiliation with:



Endorsed by:



Conference Description

This biennial event attracts the world's leading experts on sports cardiology and sudden cardiac death in the young.

This conference provides an opportunity for all those involved in the care of athletes and young individuals to gain up to date education on the cardiovascular effects of athletic training, diagnosis and management of individuals with inherited cardiac diseases, and, prevention of tragic young sudden deaths in the future.

Experts will discuss contemporary topics and developments in the fields of sports cardiology, inherited cardiac diseases and sudden cardiac death (SCD) in the young.

Who Should Attend

Practicing adult and pediatric cardiologists, sports medicine physicians, internists, pediatricians and other health care professionals with an interest in sports cardiology and sudden cardiac arrest will benefit from this interactive educational experience.

Conference Outcomes

1. Evaluate impact of an electrocardiography (ECG) screening program for young athletes and manage asymptomatic heart disease discovered by ECG screening.
2. Interpret and use genetic testing results to better manage an athlete's sports participation. When results indicate, test family members to prevent SCD.
3. Evaluate asymptomatic patients with heart disease and determine which sports are okay for participation.
4. Describe pros/cons of sports participation for a patient with an implantable cardioverter defibrillator (ICD).
5. Describe the role of a sports medicine team and if having a cardiologist as a member is helpful. Consider participating in a sports medicine team.
6. Apply insights gained through a discussion of sports cardiology cases to improve the diagnosis and treatment of patients in your practice.
7. Identify medicolegal aspects surrounding exclusion or return to sports of higher risk athletes. Advocate for a "team of experts" approach when making complex return to sports decisions.
8. Counsel patients who are starting a fitness program, returning to sports and/or have congenital heart disease (CHD) on exercise recommendations appropriate to their fitness level.
9. Use exercise testing to determine patients at risk for SCA taking into consideration the difference between a patient with heart disease, lung disease or one who is de-conditioned.
10. Apply insights gained through a discussion of unique, interesting and complex cases to enhance the engagement of the Primary Care Physician in primary and secondary prevention of sudden cardiac arrest in the young.

Nursing Track Outcomes:

1. Consider suggested pharmacologic management options for patient at risk of SCD
2. Follow suggested tips & trouble shooting techniques for ICD programming
3. Identify red flags on ECG screening
4. Consider Long QT (LQT) syndrome when assessing patients with CHD

Accreditation

CHOC is accredited by the Institute for Medical Quality/California Medical Association (IMQ/CMA) to provide continuing medical education for physicians.

CHOC designates this live activity for a maximum of 12.0 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in this live activity.

This credit may also be applied to the CMA Certification in Continuing Medical Education.

Financial Disclosure

Educational grants are being sought in support of this live activity.

CONFERENCE FACULTY

Planning Committee

Anjan S. Batra, MD, FHRS - Chair, Program Director

Medical Director of Electrophysiology, CHOC Children's
Section Chief & Vice Chair of Pediatrics, UC Irvine, School of Medicine

Mary E. Hickcox

CME Program Manager, CHOC Children's

Kevin M. Shannon, MD

Professor of Pediatric Electrophysiology, Mattel Children's Hospital at UCLA

Michael J. Silka, MD

Division Chief and Director of Electrophysiology, Children's Hospital Los Angeles

Conference Faculty - *Scheduled to Present*

Michael J. Ackerman, MD, PhD - Keynote Speaker

Professor of Medicine, Pediatrics, and Pharmacology
Mayo Clinic College of Medicine
Director, Long QT Syndrome/Inherited Arrhythmia Clinic and the
Sudden Death Genomics Laboratory
Mayo Clinic, Minnesota

Dianne Atkins, MD

Professor, Pediatrics - Cardiology
University of Iowa Carver College of Medicine
Stead Family Department of Pediatrics
University of Iowa Hospitals and Clinics, Iowa City, IA

Yaniv Bar-Cohen, MD

Associate Professor of Clinical Pediatrics, Medicine
Co-Director of Southern California Consortium for
Technology and Innovation in Pediatrics (CTIP)
Children's Hospital Los Angeles, Los Angeles, CA

Stuart Berger, MD

Executive Director, Heart Center
Lurie Children's, Chicago IL

Seshadri Balaji, MD

Director, Arrhythmias, Electrophysiology and Pacing
Oregon Health and Science University, Portland, OR

David S. Cannom, MD, FACC

Director of Cardiology
Good Samaritan Hospital, Los Angeles, CA

Bryan C. Cannon, MD

Associate Professor of Pediatrics
Mayo Clinic, Rochester, MN

Jim Cappon, MD

Critical Care, CHOC Children's Specialists
Medical Director, Quality and Patient Safety, CHOC Children's
Assistant Clinical Professor, Pediatrics, UCLA School of Medicine
Assistant Clinical Professor, Pediatrics - UC Irvine School of Medicine

Anthony C. Chang, MD, MBA, MPH

Chief Intelligence & Innovation Officer
Medical Director, Heart Failure Program, CHOC Children's

Ruey-Kang R. Chang, MD, MPH

Division Chief, Division of Pediatric Cardiology
Associate Professor of Pediatrics
Harbor - UCLA Pediatrics, Torrance, CA

Dan M. Cooper, MD

Professor of Pediatrics, UC Irvine
Chief, Pediatric Pulmonology Division
Founding Director of the Institute for Clinical Translational Science
Program Director - UC Irvine Clinical Research Center

Brynn Dechert-Crooks, CPNP, CCDS, FHRS

EP Pediatric Nurse Practitioner
University of Michigan Congenital Heart Center
Ann Arbor, MI

Christopher C. Erickson, MD

Director, Electrophysiology and Genetic Arrhythmias
Children's Hospital & Medical Center, Omaha
Professor, Div of Cardiology, Univ of Nebraska College of Medicine
Medical Director, Cardiac Catheterization Laboratory
Children's Hospital & Medical Center, Omaha

Ronald Kanter, MD

Director of Electrophysiology
Emeritus, Duke University
Nicklaus Children's Hospital, Miami, FL

James D. Korb, MD

Director, Academic Affairs, CME & GME Programs
Medical Director, CHOC Medical Group
CHOC Children's

Chris Koutures, MD, FAAP

Pediatric and Sports Medicine Specialist
Gladstien & Koutures, Anaheim Hills CA
Team Physician: USA Volleyball National Teams & CS Fullerton

Ian Law, MD

Clinical Professor of Pediatrics
University of Iowa Children's Hospital & University of Iowa Carver
College of Medicine
Director of Clinical Cardiology, Division of Pediatric Cardiology
Director, Pediatric Electrophysiology
University of Iowa Hospitals & Clinics

Wyman Lai, MD

Medical Director of Echocardiography
Co-Medical Director of the Heart Institute
CHOC Children's

Marc Lerner, MD

Medical Officer, Student Support Services
Orange County Department of Education

Daniel E. Mackey, MD

Pediatric and Adult Medicine, Tustin, CA
General Pediatrician, CHOC Children's

Anthony McCanta, MD, FHRS

Cardiology, CHOC Children's Specialists

Jeremy Moore, MD

Pediatric Cardiologist
UCLA Medical Center, Santa Monica
Mattel Children's Hospital, UCLA

Melissa Olen, ARNP

EP Nurse Practitioner
Nicklaus Children's Hospital, Miami, FL

Harry Pellman, MD

General Pediatrics, Edinger Medical Group
Clinical Professor of Pediatrics, UCI

Kevin M. Shannon, MD

Professor of Pediatric Cardiology
David Geffen School of Medicine, UCLA
Mattel Children's Hospital at UCLA
Co-Founder and Medical Director of Camp del Corazon

Sue Shepard, RN, BSN, CCDS

EP Care Coordinator
Certified Cardiac Device Specialist
Rady Children's Hospital San Diego

Michael J. Silka, MD

Chief, Division of Cardiology
Children's Hospital Los Angeles
Professor of Pediatrics, USC

Froilan Tuozo, MSN, NP

EP Nurse Practitioner, CHOC Children's
Assistant Clinical Professor Pediatrics
UC Irvine Health



CONFERENCE SCHEDULE

Day 1 - Friday, January 20, 2017

7:00 am | Registration/Check-in/Continental Breakfast

8:00 am | Welcome and Overview

Session 1 - Interpretation of the ECG and Echo in the Young Athlete: NORMAL or ABNORMAL?

Chair: *Stuart Berger, MD*

- Athletic Specific ECG Criteria - Reading with the Experts - *M. Silka, MD*
- Differentiation of the Athlete's Heart - *W. Lai, MD*
- Unexplained Exertional Syncope - What To Do? - *B. Cannon, MD*
- Screening With or Without an ECG - How Can We Resolve the Debate? - *R. Chang, MD, MPH*
- Panel Discussion / Audience Q&A

10:00 am | Break

Session 2 - Genomics of SCA

Chair: *Anjan Batra, MD, FHRS*

- State of Genetic Testing in Cardiac Channelopathies and Cardiomyopathies-YOUR QUESTIONS ANSWERED! - *M. Ackerman, MD, PhD, FAAC*
- Current Limitations & Future Potential of Genomics in Predicting SCD - *A. Chang, MD, MBA, MPH*
- Panel discussion / Audience Q&A

12 - 1:30 pm | Lunch on your own

Session 3 - Risk Stratification of SCD

Chair: *Michael Ackerman, MD, PhD, FAAC*

- Debate: Current Cardiac Screening Practices in Professional Sports and NCAA Sports - Is This Where We Should be Going with Screening?
 - Pro- *Y. Bar Cohen, MD*
 - Con- *S. Berger, MD*
- Debate: Should an HCM Patient with an ICD be Allowed to Play Competitive Sports?
 - Pro - *A. Batra, MD*
 - Con - *I. Law, MD*
- Panel discussion / Audience Q&A

2:50 pm | Break

Session 4 - The Cardiologist as a Member of the Sports Medicine Team - Panel Discussion

Chair: *Michael Silka, MD*

- Understand the Role of a Sports Medicine Team
 - *A. Brock, Athletic Trainer and C. Koutures, MD*
- Is Having a Cardiologist as a Member of the Sports Medicine Team Helpful?
 - *K. Shannon, MD*

Session 5 - "Real World" Cases - Put Me In, Coach. I'm Ready to Play!

Moderators: *Michael Silka, MD & Kevin Shannon, MD*

Panelists: *Pediatricians*

- Mild-Moderate Congenital Heart Disease - *J. Moore, MD*
- The Patient with a Pacemaker - *A. McCanta, MD*
- Post-op Tetralogy of Fallot with PVCs - *R. Kanter, MD*

4:30 pm | End of Day 1

Day 2 - Saturday, January 21, 2017

7:00 am | Registration/Check-in/Continental Breakfast

8:00 am | Welcome

Keynote Session - Athletes with ICDs - What is the Data?

- *David Cannom, MD, FACC*

Session 6 - Integrating the Cardiologist on the Sports Medicine Team: The USA Volleyball Experience and What We Have Learned

Chair: *Yaniv Bar Cohen, MD*

Panel: *P. Grossfeld, MD, C. Koutures, MD, C. Davis, MD, A. Brock, Athletic Trainer*

10:00 AM | Break

Session 7 - Sports Cardiology in Young Athletes

Chair: *Ronald Kanter, MD*

- IOM Report on Cardiac Arrest - *D. Atkins, MD*
- Common Non-Cardiac Sports Problems - Orthopedic and Concussion - *J. Minor, MD*
- Are the Risk Factors for SCA in Children with Hypertrophic Cardiomyopathy the Same as Those in Adults? - *S. Balaji, MBBS, FRCP, PhD*
- Panel discussion / Audience Q&A

12:00 - 1:30 pm | Hosted Lunch - Physicians: Networking

12:00 - 1:30 pm | Hosted Lunch - Nursing: Networking/Review

Nursing Track Session

Chair: *Melissa Olen, ARNP*

- Pharmacological Management Options for the Patient at Risk of SCD - *M. Olen, ARNP*
- Programming Tips and Troubleshooting to Prevent Inappropriate ICD Discharges - *F. Tuozzo, MSN, NP*
- Identifying Red Flags on ECG Screening - *B. Dechert-Crooks, CPNP, CCDS, FHRS*
- LQT Syndrome Masked by Coexisting Congenital Heart Disease - *S. Shepard, RN, BSN, CCDS*
- Panel discussion / Audience Q&A

Session 8 - Basic Exercise Physiology and Sports Cardiology

Chair: *Seshadri Balaji, MBBS, FRCP, PhD*

- Research in Sports and Exercise Cardiology: Challenges, Opportunities, Future Directions - *D. Cooper, MD*
- Utility of Exercise Testing in Determining the Risk of SCD - *I. Law, MD*
- Heat Stroke: When it is and When it is Not - *C. Koutures, MD*
- Panel Discussion

2:45 PM | Break

Session 9 - ECG Screening and Automated External Defibrillators (AED) in Schools: What is the Role of the Primary Care Physician (PCP)?

Chair: *Kevin Shannon, MD*

Panel: *J. Cappon MD, M. Lerner MD, J. Korb MD, and Invited PCP*

4:00 PM - Adjourn

CONFERENCE DETAILS

Location:

Disney's Grand Californian Hotel
1600 South Disneyland Drive | Sequoia Ballroom
Anaheim, CA 92808

Discounted Hotel Accommodations:

Make your room reservation now! The special rate for the conference is \$252.00 plus tax. A limited number of rooms are reserved at this rate.

To secure a room please contact the Disneyland® Resort by booking online 24/7 at <http://disneyurl.com/GCCA17A> or by calling (714) 520-5005, M-F, 8 AM to 5 PM PST.

Reservations must be made by Tuesday, December 29, 2016 or before the group rooms are sold out, so do not delay. Prevailing rates may apply after this date or when the group rooms are sold out, whichever occurs first. Rooms are subject to availability.



Tuition - Early Bird Rate through December 30, 2016:

\$400 for Physicians
\$300 for other Health Professionals and Fellows
\$ 25 for Pediatric Residents and Medical Students

Tuition includes conference materials, breakfast, lunch and refreshments. Early Bird registrations will be accepted until Monday, December 30, 2016. To ensure a comfortable environment, attendance may be capped; early registration is recommended.

Tuition - After December 30, 2016:

\$450 for Physicians
\$350 for other Health Professionals and Fellows
\$ 75 for Pediatric Residents and Medical Students

Substitutions:

Substitutes for registered participants are accepted but must be arranged in advance by contacting Cristen Frost at 714.509.4807 or cfrost@choc.org.

Cancellations:

Cancellations should be submitted in writing prior to **December 19, 2016**, by emailing chocme@choc.org. An administrative charge of \$100.00+fees will be deducted from your paid registration and a confirmation sent to you. All admin fees and credit card transaction fees are NOT refundable. Cancellations on or after that date and no-shows will not be refunded.

Registrations are transferable. Please call 714.509.4807 or email chocme@choc.org to arrange for a substitution or refund before December 19, 2016.

All continuing medical education activities are subject to cancellation. In the event that this conference would have to be cancelled, CHOC Children's is not responsible for any airfare, hotel or other costs incurred by participants. In the event of an emergency, we reserve the right to cancel a session or substitute a qualified speaker.

Registration:

Our easy online registration form is available at <https://www.choc.org/scaconference>

Registration Confirmation:

A reminder email including a map with directions, a link to discounted Disneyland Park tickets, instructions on parking and parking fees will be emailed to you two to four weeks prior to the conference. If you do not receive a confirmation prior to the conference, please contact CHOC Children's to verify your registration.

For all other questions, please email: chocme@choc.org or call (800) 329-2900.





Children's Hospital of Orange County
1201 W. La Veta Avenue | Orange, CA | 92868

Online Registration:

www.choc.org/scaconference

Early Bird Registration ends 12/30/16.



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